Comparative statement

Government of Karnataka

Form No. PWG-45

Estimate Amount: 300.00 Lakhs

BBMP, RR Nagar

Project:- Construction of Arch and Providing Interlocking Tiles In Front of Sai Baba Temple And Construction of RCC Roof for Ramp Near Ganesha Temple in Ward No 17 & Widening and Improvements to Road From BEL Circle to Mattikere Fly Over

Sl	Description of Item	Unit	As per Sanction Estimate	As per Tender			Total Executed Qty	Up to 125%			Above 125% more than tender Qty			Total Amount	Amount		Remarks
			Amount	Qty	Rate	Amount	Qty	Qty	Rate	Amount	Qty	Rate	Amount		Excess	Savings	
1	2	3	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	Providing and constructing Precast concrete solid blocks with compressive strenght not less than 35Kg/sqm with cement mortar 1:4 masonry (quion, lamb, closer blocks) with solid concrete blocks of size 40x20x20cms confirming to IS:2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing etc., complete as per specifications.	Sqm	127369.95	128.01	995.00	127369.95	148.53	148.53	995.00	147787.35	0.00	995.00	0.00	147788.00	20418.05	0.00	
2	Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:8, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5:1.13	Cum	52991.66	8.86	5981.00	52991.66	17.68	11.08	5981.00	66239.58	6.60	6281.69	41465.45	107706.00	54714.34	0.00	
3	Providing and laying in position plain cement concrete of mix 1:2:4 with OPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.459cum machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2/	Cum	49145.34	8.31	5914.00	49145.34	23.25	10.39	5914.00	61431.68	12.86	6576.80	84564.49	145997.00	96851.66	0.00	
4	Providing 18mm thick cement plaster in single coat with cement mortor 1:3, to brick masonry including rounding off corners wherver required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	30644.81	101.81	301.00	30644.81	117.81	117.81	301.00	35460.81	0.00	301.00	0.00	35461.00	4816.19	0.00	
5	Providing 15m thick cement plaster in single coat with cement mortar 1:4,tobrick masonry including rounding off corners wherever reuired smooth rendering, Providing and removing scaffolding, including cost of materials, labour. Curing complete as per specifications.	Sqm	6714.26	27.86	241.00	6714.26	27.86	27.86	241.00	6714.26	0.00	241.00	0.00	6715.00	0.74	0.00	
6	Providing 12mm thick cement plaster in single coat with cement mortor 1:4, to ceiling including rounding off corners wherver required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	135818.20	554.36	245.00	135818.20	623.52	623.52	245.00	152762.40	0.00	245.00	0.00	152763.00	16944.80	0.00	
7	Providing and laying flooring using prepolished water cut/gang saw 19 mm thick Granite laid over bed of 20mm thick 1:4 and jointed with neat cement slurry mixed with pigment of mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete. using black granite/ Multy Red / Ruby Red/ Black / Hassan Green Granite of width not less than 900mm	Sqm	150001.70	57.10	2627.00	150001.70	57.10	57.10	2627.00	150001.70	0.00	2627.00	0.00	150002.00	0.30	0.00	
8	Providing vitrified tiles 1000 x 1000mm /800x1200mm of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification 14.45.1 (Data Approved rate)	Sqm	1792412.00	613.00	2924.00	1792412.00	633.30	633.30	2924.00	1851769.20	0.00	2924.00	0.00	1851770.00	59358.00	0.00	
9	KSRB 14.15-1: Providing marble slab flooring 20mm thick with edges of slab machine cut, for flooring, treads of steps and landings laid on a bed of 25mm thick cement mortar 1:6 mix, to line and level, jointed with cement slurry curing, rubbing, polishing complete finishing with flush pointing using white cement including cost of materials, HOM of machineries, labour, curing complete as per specifications.	Sqm	259854.57	66.51	3907.00	259854.57	66.51	66.51	3907.00	259854.57	0.00	3907.00	0.00	259855.00	0.43	0.00	
10	Providing and fixing in position 12mm thick plaster of paris (gypsum anhydrous) for ceiling reinforced with hessian cloth flat surface upto a height of 5m above floor level over aluminium 25mm/6mm with 10mm gap in between and reinforced with rabbit wire mesh fixed to metal frames including cost of materials,labour,curing complete as per specification	Sqm	793766.42	623.54	1273.00	793766.42	690.30	690.30	1273.00	878751.90	0.00	1273.00	0.00	878752.00	84985.58	0.00	

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11	KSRB 15-5.1: Providing rough plastering 15mm thick in single coat with cement mortor 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.	Sqm	3628.80	16.20	224.00	3628.80	16.20	16.20	224.00	3628.80	0.00	224.00	0.00	3629.00	0.20	0.00	
12	KSRB 14.4 : Providing and laying flooring and steps fine dressed granite stone slabs 40mm thick on cement mortar bed 1:6, 25 mm thick, and pointed with cement mortar 1:3 over existing cement concrete bed, including cost of materials, labour, curing complete as per specifications. Specification No. KBS 14.26	Sqm	176750.00	50.00	3535.00	176750.00	50.00	50.00	3535.00	176750.00	0.00	3535.00	0.00	176750.00	0.00	0.00	
13	Providing Full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work,HOM of equipment etc., complete as per specification1	Sqm	25606.00	86.80	295.00	25606.00	86.80	86.80	295.00	25606.00	0.00	295.00	0.00	25606.00	0.00	0.00	
14	Providing teak wood frames of doors, windows, clerestory windows, ventilators, and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33	Cum	154917.36	0.78	#######	154917.36	0.78	0.78	198612.00	154917.36	0.00	#######	0.00	154918.00	0.64	0.00	
15	Providing and fixing in position fully panelled teak wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures).Specification No.9.34.	Sqm	118863.36	13.44	8844.00	118863.36	13.44	13.44	8844.00	118863.36	0.00	8844.00	0.00	118864.00	0.64	0.00	
16	Providing & fixing of glazed 2 Track-2 Panel Sliding Windows made out of multi Chamered uPVC section with TPV gaskets having isolated drainage and reinforced with Galvanized iron profiles through out the window .The outer frame having a overall size of 60x45 mm with reinforcement of 1mm thickness and sash with overall size 39x58 mm with reinforcement of 1.5 mm thickness. Glazing bead for fixing of glass shall be of size 20x18mm and coextruded with gasket. Windows shall be provided with 5mm plain float glass, standard hardware & single point locking system of flush lock. Wall thickness of frame & sash shall be 2-2.2mm	Sqm	9903.00	3.00	3301.00	9903.00	3.00	3.00	3301.00	9903.00	0.00	3301.00	0.00	9903.00	0.00	0.00	
17	Fixing of door frame in an existing opening including embedding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting two coats of coal tar to sides of frame, making good the damages to walls and floor as required and disposal of the debries with lead upto 50m. including cost of materials, labour charges, complete as per Specification.	Nos	2980.00	2.00	1490.00	2980.00	2.00	2.00	1490.00	2980.00	0.00	1490.00	0.00	2980.00	0.00	0.00	
18	Providing and fixing M.S.grill work for windows and ventulators weighing 21 kg/sqm using M.S. flats, or M.S.square rods, or combination of M.S.flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifictions. Specification No. KBS 7.12	Kg	6552.00	63.00	104.00	6552.00	63.00	63.00	104.00	6552.00	0.00	104.00	0.00	6552.00	0.00	0.00	
19	KSRB 15-17.6: Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (P.No.57, I.No.15.60.1. of PW,P&IWTD SR 2018-19)	Sqm	1424.64	13.44	106.00	1424.64	13.44	13.44	106.00	1424.64	0.00	106.00	0.00	1425.00	0.36	0.00	
20	Providing and applying enamel metal paint two coats (Excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications.	Sqm	3244.80	31.20	104.00	3244.80	31.20	31.20	104.00	3244.80	0.00	104.00	0.00	3245.00	0.20	0.00	
21	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mortar of mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 3000x300mm square, (e) the whole terrace so finished shall be flooded	Sqm	641262.32	584.56	1097.00	641262.32	623.52	623.52	1097.00	684001.44	0.00	1097.00	0.00	684002.00	42739.68	0.00	

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22	Providing and laying in position Yelahanka riles of size 250 x 250mm of approved quality and make, over a bed of cement mortar 1:3 an average thickness 25mm over weather proof course and pointed with cement mortar 1:3 mix with red oxide including curing cost of materials, labour complete as per specifications.	Sqm	623725.52	584.56	1067.00	623725.52	621.52	623.52	1067.00	665295.84	0.00	1067.00	0.00	665296.00	415798.48	0.00
23	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, copper, conductor flexible multistrand FRLS PVC insulated, 2x 1.5Sqmm cable confirming to the CTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block complete for each outlet Point wirng using class A Materrials a) Short point upto 3.0M from tapping point to outlet via switch box	Each	6060.00	30.00	202.00	60960.00	30.00	202.00	6060.00	0.00	202.00	0.00	6060.00	0.00	0.00
24	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, copper, conductor flexible multistrand FRLS PVC insulated, 2x 1.5Sqmm cable confirming to the CTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block complete for each outlet Point wirng using class A Materrials b) Medium point above 3.0M upto 6.0M from tapping point to outlet via switch box	Each	12510.00	45.00	278.00	12510.00	45.00	278.00	12510.00	0.00	278.00	0.00	12510.00	0.00	0.00
25	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, copper, conductor flexible multistrand FRLS PVC insulated, 2x 1.5Sqmm cable confirming to the CTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block complete for each outlet Point wirng using class A Materrials c) Long point above 6.0M upto 10.0M from tapping point to outlet via switch box	Each	28280.00	70.00	404.00	28280.00	70.00	404.00	28280.00	0.00	404.00	0.00	28280.00	0.00	0.00
26	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, copper, conductor flexible multistrand FRLS PVC insulated, 2x 1.5Sqmm cable confirming to the CTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block complete for each outlet. Point wirng using class A Materrials d) Two outlet in a row, above 3.0M upto 6.0M from tapping point to outlet via switch box	Each	21200.00	40.00	530.00	21200.00	40.00	530.00	21200.00	0.00	530.00	0.00	21200.00	0.00	0.00
27	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, copper, conductor flexible multistrand FRLS PVC insulated, 2x 1.5Sqmm cable confirming to the CTP without switch, the other end of the wires shall be terminated with sufficient loose length in a wood/ PVC round block complete for each outlet. Point wirng using class A Materrials e) Three outlet in a row, above 6.0M upto 10.0M from tapping point to outlet via switch box	Each	11370.00	15.00	758.00	11370.00	15.00	758.00	11370.00	0.00	758.00	0.00	11370.00	0.00	0.00
28	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after dur groove cutting in Brick/Stone/CC/wall c) 6 Ways	Each	5940.00	40.00	126.00	5940.00	40.00	126.00	5940.00	0.00	126.00	0.00	5940.00	0.00	0.00
29	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after dur groove cutting in Brick/Stone/CC/wall d) 8Way	Each	5940.00	40.00	146.00	5940.00	40.00	146.00	5940.00	0.00	146.00	0.00	5940.00	0.00	0.00
30	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after dur groove cutting in Brick/Stone/CC/wall e) 10-12Way	Each	6680.00	40.00	167.00	6680.00	40.00	167.00	6680.00	0.00	167.00	0.00	6680.00	0.00	0.00
31	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box, b) 4Module	Each	5670.00	45.00	126.00	5670.00	45.00	126.00	5670.00	0.00	126.00	0.00	5670.00	0.00	0.00
32	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box, c) 6Module	Each	9090.00	45.00	202.00	9090.00	45.00	202.00	9090.00	0.00	202.00	0.00	9090.00	0.00	0.00
33	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box e) 10-12 Module	Each	6960.00	30.00	232.00	6960.00	30.00	232.00	6960.00	0.00	232.00	0.00	6960.00	0.00	0.00
34	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box f) 24 / 24 Module	Each	12285.00	45.00	273.00	12285.00	45.00	273.00	12285.00	0.00	273.00	0.00	12285.00	0.00	0.00
35	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 16Amps one Way	Each	17750.00	250.00	71.00	17750.00	250.00	250.00	17750.00	0.00	71.00	0.00	17750.00	0.00	0.00

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36	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 12936Amps Two way	Each	28800.00	300.00	96.00	28800.00	300.00	300.00	96.00	28800.00	0.00	96.00	0.00	28800.00	0.00	0.00
37	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. 6Amps 3way socket	Each	9752.00	92.00	106.00	9752.00	92.00	92.00	106.00	9752.00	0.00	106.00	0.00	9752.00	0.00	0.00
38	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293. d) Steeped fan Regulator	Each	19045.00	65.00	293.00	19045.00	65.00	65.00	293.00	19045.00	0.00	293.00	0.00	19045.00	0.00	0.00
39	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 e) 16Amps one way switch	Each	5220.00	45.00	116.00	5220.00	45.00	45.00	116.00	5220.00	0.00	116.00	0.00	5220.00	0.00	0.00
40	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 f) 6Amps Bell push	Each	6305.00	65.00	97.00	6305.00	65.00	65.00	97.00	6305.00	0.00	97.00	0.00	6305.00	0.00	0.00
41	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 g) 6/16Amps universal socket	Each	12300.00	75.00	164.00	12300.00	75.00	75.00	164.00	12300.00	0.00	164.00	0.00	12300.00	0.00	0.00
42	Supplying and fixing of modular switch & connected accessories on existing modular switch plate as per IS 3854 and IS 1293 h) TV/Telephone socket	Each	3600.00	45.00	80.00	3600.00	45.00	45.00	80.00	3600.00	0.00	80.00	0.00	3600.00	0.00	0.00
43	Supply and fixing of 6Amps bell buzzer on existing switch board	Each	115.00	1.00	115.00	115.00	1.00	1.00	115.00	115.00	0.00	115.00	0.00	115.00	0.00	0.00
44	OPEN Conduit System:Supplying following size heavy guage PVC conduit pipe confirming to IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plug in case of brick wall and cement plastering the damaged portion using heavy gaguge saddles at an interval of 700 mm using N F screws . a) 19mm dia 2mm thick	Each	45900.00	900.00	51.00	45900.00	900.00	900.00	51.00	45900.00	0.00	51.00	0.00	45900.00	0.00	0.00
45	OPEN Conduit System:Supplying following size heavy guage PVC conduit pipe confirming to IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plug in case of brick wall and cement plastering the damaged portion using heavy gaguge saddles at an interval of 700 mm using N F screws . b) 25mm dia 2mm thick	Each	52800.00	800.00	66.00	52800.00	800.00	800.00	66.00	52800.00	0.00	66.00	0.00	52800.00	0.00	0.00
46	OPEN Conduit System:Supplying following size heavy guage PVC conduit pipe confirming to IS 2509 with suitable size bends, Metal/PVCjunction boxes, adhesive paste etc, and fixing using inverted wood plugs in case of RCC ceiling and RCC wall/ stone structure or rawl plug in case of brick wall and cement plastering the damaged portion using heavy gaguge saddles at an interval of 700 mm using N F screws . c) 32mm dia 2.5mm thick	Each	32550.00	350.00	93.00	32550.00	350.00	350.00	93.00	32550.00	0.00	93.00	0.00	32550.00	0.00	0.00
47	CONCEALED Conduit System: Supplying heavy gauge pvc conduit pipe ...dia...mm thick with suitable size bends, metal junction boxes adhesive paste etc...by groove cutting in the wall and fixing by bracing U &] hooks and Cement plastering upto the wall surface and run wirh 18 SWG GI fish wire run throughout the conduit where ever necessary. 19/ 20 mm dia 2mm thick	Each	22000.00	550.00	40.00	22000.00	550.00	550.00	40.00	22000.00	0.00	40.00	0.00	22000.00	0.00	0.00
48	CONCEALED Conduit System: Supplying heavy gauge pvc conduit pipe ...dia...mm thick with suitable size bends, metal junction boxes adhesive paste etc...by groove cutting in the wall and fixing by bracing U &] hooks and Cement plastering upto the wall surface and run wirh 18 SWG GI fish wire run throughout the conduit where ever necessary. 25 mm dia 2mm thick	Each	18900.00	350.00	54.00	18900.00	350.00	350.00	54.00	18900.00	0.00	54.00	0.00	18900.00	0.00	0.00
49	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multisand Copper with low conductor resistance single core wire in open or consealed system of wiring with specified IS-694:1990 & confirming to GTP of Group-A. b) 1.5sqmm	Each	105000.00	5000.00	21.00	105000.00	5000.00	5000.00	21.00	105000.00	0.00	21.00	0.00	105000.00	0.00	0.00
50	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multisand Copper with low conductor resistance single core wire in open or consealed system of wiring with specified IS-694:1990 & confirming to GTP of Group-A. b) 2.5sqmm	Each	115500.00	3500.00	33.00	115500.00	3500.00	3500.00	33.00	115500.00	0.00	33.00	0.00	115500.00	0.00	0.00
51	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multisand Copper with low conductor resistance single core wire in open or consealed system of wiring with specified IS-694:1990 & confirming to GTP of Group-A. c) 4sqmm	Each	99000.00	2200.00	45.00	99000.00	2200.00	2200.00	45.00	99000.00	0.00	45.00	0.00	99000.00	0.00	0.00
52	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100v grade, multisand Copper with low conductor resistance single core wire in open or consealed system of wiring with specified IS-694:1990 & confirming to GTP of Group-A. e) 16sqmm	Each	39140.00	206.00	190.00	39140.00	206.00	206.00	190.00	39140.00	0.00	190.00	0.00	39140.00	0.00	0.00

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53	Supplying and fixing regular MCCB distribution Panel confirm to IS 8828, on wall/ woodboard / flush mounting using required clamps,bolts, nuts etc., with provisson for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door with neccesary busbar completely wired to use on 440Volts 3Phase 4wire powder coated painting etc., complete with a provision for fixing of single /three phase suitable capacity MCCB/MCB as outgoings confirm to IS8828. 8Way	Each	35552.00	4.00	8888.00	35552.00	4.00	4.00	8888.00	35552.00	0.00	8888.00	0.00	35552.00	0.00	0.00
54	Supplying and fixing regular MCCB distribution Panel confirm to IS 8828, on wall/ woodboard / flush mounting using required clamps,bolts, nuts etc., with provisson for fixing of suitable type capacity MCCB's as an incomer for 3 phase Double door with neccesary busbar completely wired to use on 440Volts 3Phase 4wire powder coated painting etc., complete with a provision for fixing of single /three phase suitable capacity MCCB/MCB as outgoings confirm to IS8828. 12Way	Each	11514.00	1.00	11514.00	11514.00	1.00	1.00	11514.00	11514.00	0.00	11514.00	0.00	11514.00	0.00	0.00
55	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of overload and short circuit with the thermal magnetic/micro processor release and earth fault as per IS -13947 (Icu=Ics) 125 Amps 3Pole 25kA	Each	6262.00	1.00	6262.00	6262.00	1.00	1.00	6262.00	6262.00	0.00	6262.00	0.00	6262.00	0.00	0.00
56	Supplying and fixing regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provisson for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting etc., Made out of 14SWG MS enclosure. Single Door - 8way SP &N	Each	970.00	1.00	970.00	970.00	1.00	1.00	970.00	970.00	0.00	970.00	0.00	970.00	0.00	0.00
57	Supplying and fixing regular MCB distribution boards on wall/woodboard/flush mounting using required clamps, bolts, nuts etc., with provisson for fixing suitable type capacity MCB's single phase/3 phase/single door with powder coated painting etc., Made out of 14SWG MS enclosure. Double Door - 8way TP &N	Each	993.00	1.00	993.00	993.00	1.00	1.00	993.00	993.00	0.00	993.00	0.00	993.00	0.00	0.00
58	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker (ELMCB) 240/450V uoto 300mA sensitivity on exisiting wood/panel board.16- 25Amps 2 pole	Each	2323.00	1.00	2323.00	2323.00	1.00	1.00	2323.00	2323.00	0.00	2323.00	0.00	2323.00	0.00	0.00
59	Supplying, fixing and wiring Earth Leakage Miniature Circuit Breaker (ELMCB) 240/450V uoto 300mA sensitivity on exisiting wood/panel board. 32-40 Amps 4 pole	Each	2828.00	1.00	2828.00	2828.00	1.00	1.00	2828.00	2828.00	0.00	2828.00	0.00	2828.00	0.00	0.00
60	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required. confirming to IEC 60898. 6-32A SP MCB	Each	10950.00	25.00	438.00	10950.00	25.00	25.00	438.00	10950.00	0.00	438.00	0.00	10950.00	0.00	0.00
61	Supplying and fixing minature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and complete wiring as required. confirming to IEC 60898. 6-32A TPN MCB	Each	8660.00	5.00	1732.00	8660.00	5.00	5.00	1732.00	8660.00	0.00	1732.00	0.00	8660.00	0.00	0.00
62	Supplyng of 4' - LED PVC square batten 28Watts with high quality diffuser with life of 25000 burning hours & 70% lumen maintanance with CRI > 80. Power input: 220-240V @ 50Hz & power factor > 0.9 along with CE approved drivers. 5years warranty against any manufacturing defect working under standard electrical condition. 1x4'-20/22 w	Each	11370.00	30.00	379.00	11370.00	30.00	30.00	379.00	11370.00	0.00	379.00	0.00	11370.00	0.00	0.00
63	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50mm.Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS 10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark /name shall be Engraved / Embossing on the die cast	Each	533280.00	60.00	8888.00	533280.00	60.00	60.00	8888.00	533280.00	0.00	8888.00	0.00	533280.00	0.00	0.00
64	Supplying & Fixing of 70-150 Watts lamp holder 2 Pin	Each	1070.00	10.00	107.00	1070.00	10.00	10.00	107.00	1070.00	0.00	107.00	0.00	1070.00	0.00	0.00
65	Supplying and fixing of round or oblong type bulk head fitting glass cover.	Each	620.00	10.00	62.00	620.00	10.00	10.00	62.00	620.00	0.00	62.00	0.00	620.00	0.00	0.00

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80	Providing and fixing white vitreous china clay, flat back wash basin of size 550x400mm with a single 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11.	Nos	6590.00	2.00	3295.00	6590.00	2.00	2.00	3295.00	6590.00	0.00	3295.00	0.00	6590.00	0.00	0.00
81	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3	Nos	756.00	4.00	189.00	756.00	4.00	4.00	189.00	756.00	0.00	189.00	0.00	756.00	0.00	0.00
82	Providing and fixing C.P. brass towel rail 600 mm length, 20mm dia with C.P. brackets, fixed to wooden cleats with C.P. brass screws including cost of materials, labor complete as per specifications	Unit	2940.00	4.00	735.00	2940.00	4.00	4.00	735.00	2940.00	0.00	735.00	0.00	2940.00	0.00	0.00
83	Providing and fixing in position brass stop cock of approved quality 15mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3	Each	616.00	4.00	154.00	616.00	4.00	4.00	154.00	616.00	0.00	154.00	0.00	616.00	0.00	0.00
84	Providing and fixing Cl Nahani Trap of approved make conforming to ISI specifications and construction of cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot)	Each	1555.00	5.00	311.00	1555.00	5.00	5.00	311.00	1555.00	0.00	311.00	0.00	1555.00	0.00	0.00
85	Earth work excavation for foundataon of buildings, water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications, specification, No. KBS 2.1(a) / 2.3.5.	Cum	28362.00	87.00	326.00	28362.00	87.00	87.00	326.00	28362.00	0.00	326.00	0.00	28362.00	0.00	0.00
86	Providing and fixing chlornated poly veny chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing, this including jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete.(Internal work exposed on wall)	Mtr	12825.00	75.00	171.00	12825.00	75.00	75.00	171.00	12825.00	0.00	171.00	0.00	12825.00	0.00	0.00
87	Providing and fixing chlornated poly veny chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing, this including jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete.(Internal work exposed on wall)	Mtr	13910.00	65.00	214.00	13910.00	65.00	65.00	214.00	13910.00	0.00	214.00	0.00	13910.00	0.00	0.00
88	Providing and fixing chlornated poly veny chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing, this including jointing of pipes and fittings with one step CPVC solvent cement and testing of joints complete.(Internal work exposed on wall)	Mtr	18005.00	65.00	277.00	18005.00	65.00	65.00	277.00	18005.00	0.00	277.00	0.00	18005.00	0.00	0.00
89	KSRB 13-6.2.6: Providing and fixing in position brass gate valve with C.I. wheel of approved qualit (screwed end) 65mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No. KBS 13.2.6 / 13.3	Nos	9176.00	4.00	2294.00	9176.00	4.00	4.00	2294.00	9176.00	0.00	2294.00	0.00	9176.00	0.00	0.00
90	KSRB 13-6 4.1: providing and fixing in position brass ball valve high or low pressure with plastic float of approved quality 15mm nominal bore including of cost of all materials, labour and HOM of equipments with all leads complete as per specifications.	Each	2240.00	4.00	560.00	2240.00	4.00	4.00	560.00	2240.00	0.00	560.00	0.00	2240.00	0.00	0.00
91	Suppyyng water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI specifications, No.	Ltr	14000.00	2000.00	7.00	14000.00	2000.00	2000.00	7.00	14000.00	0.00	7.00	0.00	14000.00	0.00	0.00
92	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications	Mtr	28380.00	60.00	473.00	28380.00	60.00	60.00	473.00	28380.00	0.00	473.00	0.00	28380.00	0.00	0.00

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93	KSRB 12-B.1 : Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I. cover with frame (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38kg (weight of cover 23kg and weight of frame 15kg) R.C.C. top slab with cement concrete 1:2:4 mix 20mm and downsize granite metal, foundation concrete 1:5:10 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specificationsNo.KBS Page No. 73/ Item No. 11.50 -do- 600x600mm, and 450 depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5 C.I cover with frame (light duty) 600x600mm.	Nos	30820.00	4.00	7705.00	30820.00	11.00	5.00	7705.00	38525.00	6.00	7848.10	47088.62	85614.00	54794.00	0.00
94	Providing and fixing to wall, ceiling and floor, medium density polyethylene pipes 6.00KGf/sq.cm. working pressure 20mm outside diameter with special flange, compression type fittings, wall clips, making good the wall, ceiling an floor including cost of all materials, labour charges, HOM of equipments and testing complete as per specifications. Specification No. 13.2.15.1 / 13.9 for internal water supply connection	Mtr	15150.00	25.00	606.00	15150.00	25.00	25.00	606.00	15150.00	0.00	606.00	0.00	15150.00	0.00	0.00
95	KSRB 2-2.1: Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m.and above in width, in ordinary soil not exceeding 1.5m.in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No.KBS 2.1(a)/2.3.5. (P.No.5, I.No.2.3 of PW,P&IWTD S.R 2018-19)	Cum	233466.53	716.16	326.00	233466.53	716.16	716.16	326.00	233466.53	0.00	326.00	0.00	233467.00	0.47	0.00
96	KSRRB M200-15.1. Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications, KSRRB M20Q-17.1. -d o - v) Steel work in all types of Sections upto Tonne a Height of 5 m above plinth level excluding Cutting of Rivet. - A. Including dismembering."	Tonn	103250.00	50.00	2065.00	103250.00	50.00	50.00	2065.00	103250.00	0.00	2065.00	0.00	103250.00	0.00	0.00
97	KSRB - 4-1.6: Providing and laying in position plain cement concrete of mix M-10 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates at 0.892cum and fine aggregates at 0.465 cum, machine mixed, concrete laid in layers not exceeding 15 cms.thick, well compacted, in foundation, plinth and cills including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. (P.No.12, I.No.4.2 of PW,P&IWTD S.R 2018-19)	Cum	60580.87	10.69	5666.00	60580.87	10.69	10.69	5666.00	60580.87	0.00	5666.00	0.00	60581.00	0.13	0.00
98	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.No.15, I.No.4.28 of PW,P&IWTD SR 2018-19)	Sqm	14836.80	52.80	281.00	14836.80	52.80	52.80	281.00	14836.80	0.00	281.00	0.00	14837.00	0.20	0.00
99	KSRB 4-6.5: Providing and removing centering, shuttering, strutting, propping etc., for columns, pillars, piers, abutments, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specification. Specification No. KBS 4.6.2. (P.No.16, I.No.4.32 of PW,P&IWTD SR 2018-19)	Sqm	21813.33	43.89	497.00	21813.33	43.89	43.89	497.00	21813.33	0.00	497.00	0.00	21814.00	0.67	0.00
100	KSRB - 4.2.8: Providing and laying in position reinforced cement concrete of design mix M 20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459cum, with superplastisiser @ 3lts confirming to IS9103-1999 Reaffirmed 2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for R.C.C beams, columns of all sizes in foundation plinth and superstructure ground floor level for roof slabs, staircase, lintels, columns, including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6. (P.No.14, I.No 4.13 of PW, P&IWTD S.R 2018-19)	Cum	163522.16	25.44	6427.00	163522.16	25.44	25.44	6427.00	163522.16	0.00	6427.00	0.00	163523.00	0.84	0.00

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101	KSRB - 4.9.2: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.No.17, I.No.4 46.2 of PW, P&IWTD SR 2018-19)	Tonne	633727.16	9.02	70258.00	633727.16	9.80	9.80	70258.00	688528.40	0.00	70258.00	0.00	688529.00	54801.84	0.00	
102	KSRRB 300- Scarifying the surface and dressing. KSRRB 300-44: Scarifying top bituminous surface or surface dressing or premix carpet including picking up scarified materials, stacking of old serviceable materials by manual means including cost of all labour charges complete as per specifications. MORTH chapter 3, (P.No.147, I.No.19.50 of PW, P&IWTD S.R 2018-19)	Sqm	51765.00	595.00	87.00	51765.00	595.00	595.00	87.00	51765.00	0.00	87.00	0.00	51765.00	0.00	0.00	
103	KSRRB M 400-17, Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the Material with water at OMC in mechaniqal mix plant carriage of mixed Material by tipper to site, laying in uniform layers with paver in sub- base/ base course on well prepared surface and compacting with vibratory roller to achieve the desired density.complete as per specifications. MORTH Specification No. 406 (P.No.158, I.No.20.18 of PW,P&IWTD S.R 2018-19)	Cum	306276.25	148.75	2059.00	306276.25	148.75	148.75	2059.00	306276.25	0.00	2059.00	0.00	306277.00	0.75	0.00	
104	Royal Bench: Made out of Sadrahallu grey stone with hand support with machine cutting top slab with line finishing with ARCH desgin neatly curved and fixing with 150mm slab 150x45x150(Approved Data Rate)	Nos	127260.00	12.00	10605.00	127260.00	12.00	12.00	10605.00	127260.00	0.00	10605.00	0.00	127260.00	0.00	0.00	
105	KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.46Ocum with super plasticisers @ 3lts conforming to is 9103-1999 reafirmed -2008, machine mixed concrete laid in layers not exceeding 15cms thick, vibrated for all works in foundation for footings, pedastals retaining walls, return walls, walls (any thickness) including attached plasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1.4.6, No. KBS 4.1.4.6, (P.No. 13, I.No 4.11 of PW,P&IWTD S.R 2018-19)	Cum	743908.23	120.51	6173.00	743908.23	120.51	120.51	6173.00	743908.23	0.00	6173.00	0.00	743909.00	0.77	0.00	
106	KSRB 14.6-1 : Providing and laying heavy duty cobble stones 75mm thick interlock pavers, using cement and course sand for manufactures of blocks of approved size , shape and colour with a minimum compressive strength of 281kgs per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour, curing complete as per specifications. (P.No.101, I.No.14.7 of PW, P&IWTD SR 2018-19)	Sqm	775040.00	640.00	1211.00	775040.00	640.00	640.00	1211.00	775040.00	0.00	1211.00	0.00	775040.00	0.00	0.00	
107	Providing and fixing granite name board fixed in cement morter to wall."The board shall be fixed as per the drawing and at the place indicated by the engineer in charge of the work the cost includes bare cost of all materials, scaffolding,transportation charges, fixing charges, labour HOM Etc (Quation Rate)	Sqm	402464.00	2.00	#######	402464.00	2.00	2.00	201232.00	402464.00	0.00	#######	0.00	402464.00	0.00	0.00	
108	Fabricating supplying and erecting M.S. Tubuler Truss of all span as per approved drawing design with prefabricated applications using quality material and are durable reliable and corrosion and abrasion resistant, welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, etc, complete as per specification. (P.No.43, I.No.7.29 of PW, P&IWTD SR 2018-19)	Kg	3031292.00	25052.00	121.00	3031292.00	25052.00	25052.00	121.00	3031292.00	0.00	121.00	0.00	3031292.00	0.00	0.00	

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118	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. iii) Dismantling Stone Masonry.KSRRB M200- 15.2. -do- B. Rubble stone masonry in cement mortar. MORTH Specification No. 202 . As Per Direction Of The Engineer Incharge	Cum	102081.60	244.80	417.00	102081.60	122.04	122.04	417.00	50890.68	0.00	417.00	0.00	50891.00	0.00	51190.60	
119	Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 . As Per Direction Of The Engineer Incharge	Cum	148684.55	624.73	238.00	148684.55	1087.29	780.91	238.00	185855.69	306.39	144.43	44251.29	230107.00	81422.45	0.00	
120	Plain cement concrete 1:3:6 mix with crushed stone aggregate 40 m nominal size mechanically mixed, placed in foundation and compacted by vibration including curing complete as per specifications MORTH Specification No. 408 . As Per Direction Of The Engineer Incharge	Cum	557967.54	123.34	4524.00	557967.54	61.78	61.78	4524.00	279478.02	0.00	4524.00	0.00	279479.00	0.00	278488.54	
121	Providing and laying Plain / Reinforced Cement Concrete design mix M25 with OPC @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum and fine aggregates @ 0.47cum, with superplasticizer @3lts confirming to 159103-1999 Reaffirmed-2008,Open Foundation complete as per Drawing and Technical Specification including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications. MORTH Specification No. 1500,1700 & 2100 . As Per Direction Of The Engineer Incharge	Cum	219802.80	41.10	5348.00	219802.80	145.05	51.38	5348.00	274753.50	93.68	6332.80	593230.76	867985.00	648182.20	0.00	
122	Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per disign (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specification. MORTH Specification No.1600 & 2200 TMT Bars Fe 500 . As Per Direction Of The Engineer Incharge	Ton	170284.03	2.59	65696.00	170284.03	3.84	3.24	65696.00	212855.04	0.60	91502.04	54967.98	267824.00	97539.97	0.00	
123	Providing & laying precast drain cover slab of 100 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(0.90 x 0.60 x 0.10) . As Per Direction Of The Engineer Incharge	Sqm	282777.00	121.00	2337.00	282777.00	171.24	151.25	2337.00	353471.25	19.99	2501.99	50014.82	403487.00	120710.00	0.00	
124	Providing & laying precast drain cover slab of 250 mm thickness in CM 1:3 including cost of all materials, labour, curing, transportation, loading, unloading etc, complete as per the directions of the Engineer In Charge.(1.2 x 0.60 x 0.25) . As Per Direction Of The Engineer Incharge	Sqm	78019.20	14.40	5418.00	78019.20	45.48	18.00	5418.00	97524.00	27.48	5800.51	159369.03	256894.00	178874.80	0.00	
125	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. including cost of all labour complete as per specifications.. As Per Direction Of The Engineer Incharge	Cum	7956.00	61.20	130.00	7956.00	0.00	0.00	130.00	0.00	0.00	130.00	0.00	0.00	0.00	7956.00	
126	Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints into its final level, including cost of materials, labour and HOM complete as per specifications. Specification No. KBSKSRB 14.6-2 (do - heavy duty cobble stones 60mm thick) . As Per Direction Of The Engineer Incharge	Sqm	820005.20	727.60	1127.00	820005.20	535.42	535.42	1127.00	603418.34	0.00	1127.00	0.00	603419.00	0.00	216586.20	
127	Providing and fixing pre cast solid concrete kerb stones of size 450x150x500 mm made out of CC 1:2:4 and finished with CM 1:3 plastering and finishing cutting etc., complete.. As Per Direction Of The Engineer Incharge	m	552712.00	1171.00	472.00	552712.00	641.00	641.00	472.00	302552.00	0.00	472.00	0.00	302552.00	0.00	250160.00	
128	Providing and applying spray painting (excluding priming coat) over concrete / masonry / asbestos cement sheet / plastered surfaces with flat wall paint of approved brand to give even shade after cleaning the surface of all dirt, dust and other foreign matter, and sand papering including cost of materials, labour, complete as per specifications. . As Per Direction Of The Engineer Incharge	Sqm	12437.20	210.80	59.00	12437.20	115.32	115.32	59.00	6803.88	0.00	59.00	0.00	6804.00	0.00	5633.20	
129	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 . As Per Direction Of The Engineer Incharge	Sqm	18128.80	210.80	86.00	18128.80	115.32	115.32	86.00	9917.52	0.00	86.00	0.00	9918.00	0.00	8210.80	

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	Providing and fixing stainless steel 304 grade for staircase railings, balconies ramps, with hand rail, 50mm dia 16 gauge hollow pipe welded to vertical hollow 50mm dia pipe of 16 gauge; stainless steel vertical pipe spaced at 1.20m regular intervals and 5 Nos of 25mm dia Stainless steel hollow 130 horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of and electrical charges, etc., complete as per specifications. As Per Direction Of The Engineer Incharge	Sqm	3818760.00	578.60	6600.00	3818760.00	0.00	0.00	6600.00	0.00	0.00	0.00	0.00	3818760.00
	Excavation in Soil using Hydraulic Excavator CK 90 and Tippers with Disposal Excavation for roadworks in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom 131 and side slopes, in accordance with the established location and complete as per sections, and to the satisfaction of the Engineer in charge as per MORTH Specifications No.301 : As Per Direction Of The Engineer Incharge	Cum	71791.65	505.58	1442.00	71791.65	673.97	631.97	1442.00	897139.56	42.00	1428.3	59998.50	95739.00	2394735	0.00
	Construction of granular sub base Grading V as sub base and drainage layers by providing coarse graded crushed stone aggregates of granite / trap / basalt material, mixing in mechanical mix plant at OMC carriage of mixed 132 materials to work site, spreading in uniform layers with motor grader on prepared surface, and compacting with vibratory power roller to achieve 98% proctor density complete as per specifications as per 401 of MORTH revision 1,NO:20.5 P.NO:153	Cum	353892.00	168.52	2100.00	353892.00	648.27	2100.65	2100.00	441265.00	437.42	2014.87	881741.81	132410.700	970215.00	0.00
	KSRRB M400-17: Providing, laying, spreading and compacting crushed stone aggregates of granite / trap / basalt to required grade and cross-sections including pre mixing the stone dust by tipper to site, laying in uniform layers with 133 carriage of mixed materials to site, spreading in uniform layers with motor grader on well prepared sub base/base course and compacting with vibratory roller to achieve the desired density complete as per specifications. MORTH Specification No. 406 P.NO:155 1.NO:2.1.8	Cum	353892.00	168.52	2100.00	353892.00	692.68	2100.65	2100.00	441265.00	482.83	2021.29	975327.81	144649.00	1062801.00	0.00
	Providing and applying primer coat with S.S. bitumen emulsion on prepared surface of granular base such as WMM including clearing of road surface and 134 spraying primer at the rate of 0.60 kg / sqm using [ ] Complete with all lead and lift and as per the direction of the Engineer-in-Charge. As Per Direction Of The Engineer Incharge	Sqm	67410.00	2247.00	30.00	67410.00	1462.50	1462.50	30.00	43875.00	0.00	30.00	0.00	4387.500	0.00	21535.00
	Cleaning the existing black topped surface with brooms, soft brushes and finally dusting with old gunny bags and / or compressed air to receive 135 bituminous treatment as per specifications. MORTH / Chapter 5 Complete with all lead and lift and as per the direction of the Engineer-in-Charge Page As Per Direction Of The Engineer Incharge	Sqm	5617.50	1123.50	5.00	5617.50	0.00	0.00	5.00	0.00	0.00	5.00	0.00	0.00	0.00	5617.50
	Providing and laying dense graded bituminous macadam using crushed aggregates of specified grading, premixed with VG30 grade bituminous binder and, transporting the hot mix to work site, laying to the required grade, level and alignment, rolling with smooth wheeled, vibratory and 136 tandem rollers to achieve the desired compaction as per MORTH Table 500-10 complete in all respects (using 40% RAP with 3% fresh bitumen + 0.5% WMA + 10% compare to VG30 TPH capacity) HMP with mechanical paver Grade II (50mm to 75mm) with 4.5% VG-30 Bitumen. As Per Direction Of The Engineer Incharge	Cum	45177.00	53.15	8500.00	451775.00	96.21	66.44	8500.00	564718.75	29.78	6471.78	192703.43	75742.500	385648.00	0.00
	Providing and applying tack coat using 80/100 grade bitumen(VG10) on the prepared black topped surface of existing road surface (including cost 137 of all materials, labour, HOM of machineries complete as per specifications. MORTH/Chapter 5. As Per Direction Of The Engineer Incharge	Sqm	14605.50	1123.50	13.00	14605.50	192427	1404.38	13.00	18256.88	519.90	12.85	6679.20	24937.00	18331.50	0.00
	Providing and laying bituminous concrete over 40mm thick, with hot mix plant, including cost of all materials, labour, HOM of machineries complete as per specifications. binder and tack coat; transporting the hot mix to work site, laying with a paver finisher to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction in 138 all respects, complete as per specifications. MORTH Table 500-18 (using 40-60 TPH capacity HMP with mechanical paver grading II (10-45mm) with 5.4 % of modified bituminous binder consisting of 4.97% of VG-30 bitumen (60/70 grade) and 0.43% of elastomeric thermoplastics (waste plastic) : As Per Direction Of The Engineer Incharge	Cum	42693.00	44.94	9500.00	426930.00	74.97	56.18	9500.00	533662.50	20.80	7986.43	165727.73	69668.00	249906.00	0.00

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139	Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 . As Per Direction Of The Engineer Incharge	Sqm	29275.20	64.20	456.00	29275.20	0.00	0.00	456.00	0.00	0.00	456.00	0.00	0.00	0.00	29275.20	
															0.00	0.00	
	EIRL Items																
	1 KSRB 12-1: Providing and laying in position to required level or slope of internal diameter salt glazed stoneware pipes grade A and jointing with stiff mixture of cement mortar in proportion of 1:1, testing of pipes and joints,including cost of materials, labour charges complete as per specifications. Specification No. KBS 12.2.5/12.7 KSRB 12-1.9 : - d o - 230 mmn I.No 11.4	Sqm					331.00	331.00	584.67	193525.37			0.00	193526.00	193526.00	0.00	
	1 KSRB 12-3 : Providing and laying in position plain cement concrete of mix M 7.5 using 40mm and down size graded granite / trap metal for haunching of internal diameter stoneware pipes, concrete machine mixed laid in layers not exceeding 15 cms thick, well compacted, including cost of materials, labour charges, form work, HOM curing complete as per specifications. Specification No. KBS 4.1 / 4.2 I.No 11.22 P.No 73 230 mm	Sqm					331.00	331.00	855.19	283066.96			0.00	283067.00	283067.00	0.00	
										22074343.09			3315020.33	25389391.00			
	Sub Total		25393700.22														
	Tender Premium & Miscelleneous					25393700.00								25389391.00	4846894.12	4851203.34	
	TOTAL		25393700.22														

Contractor Quoted the Rates +1% Above the S R Rates of 2018-19.

1) Estimated amount		30000000.00
2) Tendered Amount		25393564.00
3) Actual amount As per Modified Estimate (Work Slip+EIRL)		25389391.00
Percentage of (3)/(2)		0.0%
Savings		4173.00
Workslip %		1.66%
ERIL %		1.88%

Since the overall expenditure is lesser then estimated amount. The Work slip & EIRL may please be approved

Assistant Engineer
Ward No 17

ASSISTANT EXECUTIVE ENGINEER
Yashwanthapura Sub Division

EXECUTIVE ENGINEER
RR Nagar Division

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